15

BRUHAT BENGALURU MAHANAGARA PALIKE

YALAHANKA ZONE

KODIGEHALLI SUB DIVISION

NAME OF WORK :CONSTRUCTION OF TOILET BUILDING AND OTHER DEVELOPMENT WORKS NEAR GKVK LAYOUT IN WARD NO 07 BYATARAYANAPURA.

ESTIMATE COST:-15.00 LAKH

BRUHATH BANGALORE MAHA NAGARA PALIKE

YA_AHANKA ZONE KODIGEHALLI SUB DIVISION

DETAILED ESTIMATE FOR THE WORK OF CONSTRUCTION OF TOILET BUILDING AND OTHER DEVELOPMENT WORKS NEAR GKVK LAYOUT IN WARD NO 7 BYATARAYANAPURA KODIGEHALLI SUB DIVISION.

ESTIMATED COST: **1,500,000.00**

Sl No	Specification	Unit	No	Measurement			Qty	Rate	Amount
				Length	Breadth	Depth			
1	2	3	4	5	6	7	8	9	10
1	KSRB2-1.2Earthwork in surface excavation ordinary soil for leveling and lowering the ground(other than foundation of buildings, culverts,road drains and trenches for pipe lines and cables)and removing the excav-ated stuff to a distance not exceeding 50m and lift upto 1.50m ecavated surface levelled and neatly dressed,disposed earth to be levelled after breaking of and neatly dressed as per specification. Specification NO KBS 2.1(b)/2.3.1 Page No-5 item No 2.1								
	Lowring and leveling		1	8.00	4.50	0.15	5.40		
			2	10.00	3.50	0.20	14.00		
			2	15.00	5.00	0.25	37.50		
							56.90	**169.56**	**9647.96**
								Cum	
	Basic Rate	157.00							
	Add Weightage 8%	12.56							
	Total	169.56							
2	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.3								
	CCL		1	22.76	0.75	0.75	12.80		
						NET QTY	**12.80**	**204.12**	**2613.25**
								Cum	
	Basic Rate	189.00							
	Add Weightage 8%	15.12							
	Total	204.12							
3	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications Page No 12. Item No 4.3.								
	CCL		1	22.76	0.75	0.15	2.56		
	For Passage C C		2	10.00	3.50	0.15	10.50		
			2	15.00	5.00	0.15	22.50		
						NET QTY	**35.56**	**5256.36**	**186918.79**
	Basic Rate	4867.00						Cum	

Add Weightage 8%	389.36							
Total	5256.36							

4 Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Page No 23. Item No 5.6

CCL	1	22.76	0.675	0.6	9.22		
				NET QTY	9.22	4521.96	41682.52

Basic Rate	4187.00
Add Weightage 8%	334.96
Total	4521.96

5 KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Page No 23/Item No 5.90

CCL	1	22.76	0.45	0.35	3.58		
				NET QTY	3.58	5405.40	19376.74

Basic Rate	5005.00
Add Weightage 8%	400.40
Total	5405.40

6 KSRB 15.2.1 Providing flush pointing to stone slab pavements, with cement mortar 1:3, after raking joints, nicely lining, including cost of materials, labour, curing complete as per specifications. Page No 113, Item No 15.07

Outside	2	6.85		0.35	4.80		
	2	3.4		0.35	2.38		
				NET QTY	7.18	200.88	1441.31
						Sqm	

Basic Rate	186.00
Add Weightage 8%	14.88
Total	200.88

7 Filling Availble exacavation earth (exucluding rock) in sides of Foundations up to plinth in layer by ramming after watering with load up to 50 m and lift up to 1.5 m including cost of all labours complete as per Specification, Specification No KSB 2.9 (Page No 6, Item No 2.10. PWD SR 2016-17

				Qty Vide Item No 2	12.80	137.16	1755.99
						Cum	

Basic Rate	127.00
Add Weightage 8%	10.16
Total	137.16

8 KSRB 2.6 : Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering rammin g with all lead and lift complete as per specifications.specification. No. KBS 2.10.2 Page No 6 Item No 2.13

	Rooms	1	3.95	2.95	0.3	3.50		
	Rooms	1	2.95	2.2	0.3	1.95		
					NET QTY	5.44	2305.80	12549.89
							Cum	

Basic Rate	2135.00
Add Weightage 8%	170.80
Total	2305.80

9 KSRB 4-6.9 :Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 Page No 16. Item No 4.36

Coping Concrete	2	22.76		0.15	6.83		
					6.83	732.24	4999.73
						Sqm	

Basic Rate	678.00
Add Weightage 8%	54.24
Total	732.24

10 KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 Page No 16/ Item No 4.34

Lintel	2	22.76		0.15	6.83		
					6.83	276.48	1887.81

Basic Rate	256.00
Add Weightage 8%	20.48
Total	276.48

11 KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 Page no 16. Item No 4.37

Chejja	1	2.35	0.45		1.06		
	10	0.9	0.45		4.05		
					5.11	291.60	1489.35
						Sqm	

Basic Rate	270.00
Add Weightage 8%	21.60
Total	291.60

12 KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs. Specification No. KBS 4.6.2 Page No 15/ Item No 4.29

Roof	1	6.85	3.4		23.29		
				Net Qty	23.29	594.00	13834.26

Basic Rate	550.00
Add Weightage 8%	44.00
Total	594.00

13 KSRB 4.2.8: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles, and beams retaining walls, return walls, walls (any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 , Page No 14, Item No 4.13

Cooping	1	22.76	0.45	0.15	1.54		
Lintel	1	22.76	0.2	0.15	0.68		
Roof	1	6.85	3.4	0.12	2.79		
	2	10.00	3.50	0.10	7.00		
	2	15.00	5.00	0.10	15.00		
				Net Qty	27.01	6650.64	179659.72

Basic Rate	6158.00
Add Weightage 8%	492.64
Total	6650.64

14 KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and fine aggregtes @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 Page No 14 Item No 4.19

Chejjas	1	2.35	0.45	1.06		
	10	0.90	0.45	4.05		
				5.11	492.48	2515.34
				Sqm		

Basic Rate	456.00
Add Weightage 8%	36.48
Total	492.48

15 KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 Page No 16 Item No 4.46

0.80 Cmtr	Qty Vide Item No 13 & 14	32.12			
	Kg	3212.14			
	Tonne	3.21	60534.00	Tonne	194443.68

Basic Rate	56050.00
Add Weightage 8%	4484.00

Total	60534.00

16 KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqmm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 400x200x200cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No 25 Item No 5.27.1

CCL	1	22.76		2.70	61.45		
Centrall Wall	1	2.95		2.70	7.97		
Partition Walls	5	1.20		2.10	12.60		
Inside Walls	1	2.95		2.10	6.20		
	1	3.95		2.10	8.30		
Parapet Walls	1	22.76		0.40	9.10		
					105.61		
Doors	2	0.90		2.10	3.78		
Doors 1	7.00	0.75		1.80	9.45		
Ventilator	10	0.75		0.450	3.38		
					16.61		
				Net Qty	89.01	1011.96	90070.51
						Cum	

Basic Rate	937.00
Add Weightage 8%	74.96
Total	1011.96

17 SRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 Page No 12 Item No 4.2

Flooring	1	3.95	2.95	0.15	1.75		
	1	2.95	2.25	0.15	1.00		
					2.74	5449.68	14951.20
						Cum	

Basic Rate	5046.00
Add Weightage 8%	403.68
Total	5449.68

18 Supplying and fixing pressed steel door frames size 125x65 mm manufactured from 25mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and shutters made out of seasoned Honne wood, styles of 30 mm, thick with lock rail of 160 mm, width, top and side rails of 100 mm. width and bottom rails of 250 mm width and panel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof, vermin proof, heat resistant guaranteed against shrinkage, warpage and such other defects for a period of 3 years. This shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting with enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, loading and unloading etc., complete. The Hollow portion of the frame to be filled with cement concrete 1:2:4. Page No 40 Item No 7.26

Doors		2	0.90	2.10	3.78		
				Net Qty	3.78	3780.00	14288.40
						Sqm	
Basic Rate	3500.00						
Add Weightage 8%	280.00						
Total	3780.00						

19 Providing and fixing colour glazed tiles all sizes 10mm thick for flooring trades of steps and landing laid on a bed of 12mm thcik cement mortor 1:3 mix Flush pointing using white cement with Maching colour piment including cost of materials labours curing complete as per specification Item No 14.33

Flooring		1	3.95	1.65	6.52		
		1	2.95	0.90	2.66		
		7	1.20	0.90	7.56		
					16.73	588.60	9848.75
Basic Rate	545.00						
Add Weightage 8%	43.60						
Total	588.60						

20 KSRB 4-6.14 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sloping or battering surface including folded plates where inclination to horizontal plane does not exceed 30 degree requiring shuttering only on the under side including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 Item No 4.40

Wash		2	3.95	2.70	21.33		
		2	2.95	2.70	15.93		
		2	3.95	2.10	16.59		
		2	2.95	2.10	12.39		
		10	1.20	2.10	25.20		
		2	2.95	2.70	15.93		
		2	2.25	2.70	12.15		
					119.52		
Deduction (-) -D		2	0.90	2.10	3.78		
		7	0.75	1.80	9.45		
					13.23		
					106.29	487.08	51771.73
Basic Rate	451.00						
Add Weightage 8%	36.08						

Total 487.08

KSRB 7.7 : Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of
21 required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinerycomplete as per specifications. Specification No. KBS 7.12.1 / 7.12.2 / 7.12.3 / 7.12 Item No 7.7

Ventilator		10	0.75	0.45		3.38	
					Net Qty	3.38	3812.40	12866.85
Basic Rate	3530.00						
Add Weightage 8%	282.40						
Total	3812.40						

Providing and fixing factory made single leaft rigid GRP Sandwich composite door shutter of 32mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and on layer of 45 gsm E-Glass Chopped strand Mat (CSM), impregnated with orthopthalic polyster resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 29mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not less than 28mmx32mm and also necessary salwood reinforcements for fixing the
22 metal fittings such as tower bolts, aldrops, handles, etc, shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the Salwood reinforcement and the skins. The material and process for manufacturing the door shutters shall confirm to RV/TIFAC Composites Design centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain colour White/Ivory/Beige/Light Grey or any other colour using high quality pigments. Exclusing cost of fixtures and inclusive of supply of shutters to respective work spot. Page No 59, Item No 9.93

Doors		7	0.75	1.80		9.45	
						9.45	3456.00	32659.20
Basic Rate	3200.00						Sqm
Add Weightage 8%	256.00						
Total	3456.00						

KSRB15-3.14 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to ceiling including rounding off corners wherever required smooth
23 rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Item No 15.22

1	3.95	2.95		11.65		
1	2.95	2.25		6.64		
				18.29	192.24	3516.07

Basic Rate	178.00
Add Weightage 8%	14.24
Total	192.24

24 KSRB15-3.6 : Providing 15mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No 97 . Item No 15.14

Inside	2	3.95	2.70	21.33			
	2	2.95	2.70	15.93			
	2	3.95	2.10	16.59			
	2	2.95	2.10	12.39			
	10	1.20	2.10	25.20			
	2	2.95	2.70	15.93			
	2	2.25	2.70	12.15			
				119.52			
Deduction (-) D	2	0.90	2.10	3.78			
D	7	0.75	1.80	9.45			
V	10	0.75	0.45	3.38			
				16.61			
				Net Qty	102.92	180.36	18561.75

Basic Rate	167.00
Add Weightage 8%	13.36
Total	180.36

25 KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. Item No 15.33

(Qty Vide Item No 23+24

				121.21		
				121.21	27.00	3272.54
					Sqm	

Basic Rate	25.00
Add Weightage 8%	2.00
Total	27.00

26 KSRB15-3.11 : Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Item No 15.19

Roof Surface	1	6.35	2.90	18.42			
				Net Qty	18.42	252.72	4653.84
						Sqm	

Basic Rate	234.00
Add Weightage 8%	18.72
Total	252.72

27 KSRB15-3.3 : Providing 12mm thick cement plaster in single coat with cement mortar 6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Item No 15.11

Out Side	2	6.85	3.25		44.53		
	2	3.40	3.25		22.10		
	2	6.35	0.60		7.62		
	2	2.90	0.60		3.48		
					77.73		
Deduction (-) D	2	0.90	2.10		3.78		
V	10	0.75	0.45		3.38		
					7.16		
				Net Qty	70.57	162.00	11432.34

Basic Rate	150.00
Add Weightage 8%	12.00
Total	162.00

28 KSRB 8.6-8 : Providing and fixing on wall surface. 40 kg / sq.cm H.D.P.E. rain down water pipes 110mm outer dia. approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, complete as per specifications. Item No 8.19

	4	3.2			12.80		
				Net Qty	12.80	613.44	7852.03

Basic Rate	568.00
Add Weightage 8%	45.44
Total	613.44

Rmtr

29 KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. Item No 15.49.1

Inside			Qty Vide Item No 25.				
					121.21	76.68	9294.00

Basic Rate	71.00
Add Weightage 8%	5.68
Total	76.68

30 KSRB 15-13.3 : Providing and applying two coats dry distemper of approved brand, and shade on wall surface including priming coat and whitening after throughly brooming the surface to remove all dirt, dust, mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. Item No 15.47.1

Inside			Qty Vide Item No 28				
					12.80	54.00	691.20

Basic Rate	50.00
Add Weightage 8%	4.00
Total	54.00

SRB 11-2 : Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with special
31 and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 Item No 12.2

	7		7		
			7.00	4682.88	32780.16
Basic Rate	4336.00			Unit	
Add Weightage 6%	346.88				
Total	4682.88				

KSRB 11-8.1 : Providing and fixing white vitreous china clay, wall corner type, lipped front urinal basin of size 340x410x265mm with 5 litres P.V.C automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass
32 unions and G.I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 Item No 12.11

	5		5.00		
		Net Qty	5.00	3109.32	15546.60
Basic Rate	2879.00			Unit	
Add Weightage 8%	230.32				
Total	3109.32				

KSRB 11-11.8 : Providing and fixing white vitreous china clay, surgeon type wash basin size 660x460mm with a pair of 15mm C.P brass pillar taps with pair of elbow operated levers, C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern,
33 painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. KBS Page No 81 Item No 12.30)

	2		2.00		
		Net Qty	2.00	4945.32	9890.64
Basic Rate	4579.00			Unit	
Add Weightage 8%	366.32				
Total	4945.32				

KSRB13-6.1-1 : Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments
34 with all leads complete as per specifications. Specification No.KBS 13.2.2 Item No 13.23

	10		10.00		
		Net Qty	10.00	3090.96	30909.60
Basic Rate	2862.00			Each	
Add Weightage 8%	228.96				
Total	3090.96				

35 KSRB13-1.1 : Providing and fixing to wall, ceiling and floor galvanised / mild steel tube ~~mm~~ dia nominal bore with fittings (medium grade weight 1.27 kg/mtr) B class including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.14 / 13.8 Item No 13.1

		1	25.00		25.00		
				Net Qty	25.00	199.80	4995.00

Basic Rate	185.00
Add Weightage 8%	14.80
Total	199.80

36 Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications. - using silver grey granite / Multy Red / Ruby Red / Black / HassanGreen Granite of width not less than 1200mm Item No 14.47

Urinals Partations Wall		5	1.50	0.75	5.63		
					5.63	2828.52	15910.43

Basic Rate	2619.00
Add Weightage 8%	209.52
Total	2828.52

37 Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer Black or Blue and inner White layer of approved quality and make, conforming to I.S.I./ISO/SSI specifications. Item No 37.58

		2000			2000.00		
				Net Qty	2000.00	6.48	12960.00
						Ltr	

Basic Rate	6.00
Add Weightage 8%	0.48
Total	6.48

38 KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1 Item No 2.1

Play Ground lowring and leveling		1	80.00	48.00	0.10	384.00	
					Net Qty	384.00	169.56	65111.04
							Cum	

Basic Rate	157.00
Add Weightage 8%	12.56
Total	169.56

39 KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB 300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305 Page No 148 Item No 19.60

Play Ground		1	80.00	48.00	0.15	576.00	
					Net Qty	576.00	326.16	187868.16

Basic Rate	302.00
Add Weightage 8%	24.16
Total	326.16

40 KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 Page No 5 Item No 2.3

Culvert		1	10.00	1.60	0.80	12.80	
					Net Qty	12.80	204.12	2612.74

Basic Rate	189.00
Add Weightage 8%	15.12
Total	204.12

41 KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 Page No 12. Item No 4.3

Culverts		1	10.00	1.60	0.80	12.80	
					Net Qty	12.80	5256.36	67281.41

Basic Rate	4867.00
Add Weightage 8%	389.36
Total	5256.36

42 KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Page No 23. Item No 5.6

		2	10.00	0.60	0.65	7.80	
					Net Qty	7.80	4521.96	35271.29

Basic Rate	4187.00
Add Weightage 8%	334.96
Total	4521.96

KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with ment @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not 43 exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 Item No 4.6

Cooping	2	10.00	0.60	0.075	0.90		
Vent	1	10.00	0.60	0.075	0.45		
Sides	2	10.00	0.25	0.15	0.75		
				Net Qty	2.10	5876.28	12340.19

Basic Rate	5441.00
Add Weightage 8%	435.28
Total	5876.28

KSRB15-3.2 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth 44 rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No 113 Item No 15.1

Culvert	2	10.00		0.650	13.00		
				Net Qty	13.00	104.76	1361.88

Basic Rate	97.00
Add Weightage 8%	7.76
Total	104.76

KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs, landings, balconies and likes, 45 thickness upto 200 mm including cost of all materials, labour complete as per specificaitons.up to 3.50m from Ground level. Specification No. KBS 4.6.2 Page No 15 Item No 4.18

1	10.00		0.600	6.00		
			Net Qty	6.00	338.04	2028.24

Basic Rate	313.00
Add Weightage 8%	25.04
Total	338.04

KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, 6 pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 Page No 13 Item No 4.11

1	10.00	1.60	0.230	3.68			
			Net Qty	3.68	6491.88	23890.12	

Basic Rate	6011.00
Add Weightage 8%	480.88
Total	6491.88

47 KSRRB M 100-1 Loading and Unloading of Stone Boulders / Stone aggregates /Sand /Kanker /Moorum , KSRR M 100-1 : Placing tipper at point loasding with front end loader , dumping , turning for retun trip excluding time for haulage and return trip Complete as per Specification MORTH -100/ Chapter 1 Page No133 Item No 17.4 and 17.1

Play Ground and Raj Kaluve Wastahe Soil Bund	1	80.00	Avg 1.80	1.800	259.20		
				Net Qty	259.20	96.12	24914.30

Basic Rate	89.00
Add Weightage 8%	7.12
Total	96.12

		SUB TOTAL	1339131.12
49	KRIDL CHARGES 11%		147304.42
49	1 % QUALITY CHARGES		13391.31
50	Miscellaneous & Unforeseen Charges	Ls	173.15
	Total		1,500,000.00

CERTIFICATE

1. I personally inspected the spot and prepared the estimate
2. The estimate is prepared based on PWD/ PRED SR 2016-17 Bangalore Circle
3. The above area comes under BBMP, Bommanahalli Zone.

Assistant Engineer
Assistant Executive Engineer
Kodigehalli Sub Division
Bangalore Mahanagara Palike
Bangalore - 560 092

Assistant Executive Engineer
Assistant Executive Engineer,
Kodigehalli Sub Division.
Yelahanka Zone, B.B.M.P.,
Bangalore.

Executive Engineer
ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ
ಬೃ.ಬೆ.ಮ.ಪಾ., ಬೆಂಗಳೂರು

Administrative Approval
Accorded For Fifteen lacks only
Head of A/C. P-3257
CER NO : AS/36/17-18 Dt.. 13-3-18

TA CE (YNK)

Technical Sanction
Accorded For Fifteen lacks only
Head of A/C. P-3257
CER NO : 30/17-18 Dt.. 13/03/18

TA 13/03 EE (BTP) 13/03